



WAINFORD RURAL DISTRICT



ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

and the

ENGINEER, SURVEYOR

and

CHIEF PUBLIC HEALTH INSPECTOR

for

1967

RURAL DISTRICT OF WAINFORD

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MEDICAL OFFICER OF HEALTH

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for the year

1967

MEDICAL OFFICER OF HEALTH

G. C. M. FRANKLIN

M.A., M.B., B.Ch., M.R.C.S., L.R.C.P., D.P.H.

ENGINEER, SURVEYOR AND
CHIEF PUBLIC HEALTH INSPECTOR

IVAN S. ARMSTRONG

M.I.P.H.E., F.R.S.H., M.A.P.H.I.

DEPUTY SURVEYOR AND
ADDITIONAL PUBLIC HEALTH INSPECTOR

FRANK E. POOLEY

M.R.S.H., M.A.P.H.I.

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MEDICAL OFFICER OF HEALTH, THE ENGINEER, SURVEYOR AND CHIEF PUBLIC HEALTH INSPECTOR

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RURAL DISTRICT OF WAINFORD
ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR 1967

To: The Chairman and Members of Wainford Rural District Council.

Madam Chairman, Ladies and Gentlemen,

I have the honour to present the Annual Report for 1967. This covers a period for which Dr. Franklin was your Medical Officer of Health and I shall not, therefore, comment on the medical statistics contained herein, other than to say that they appear to follow the health statistics for rural districts of this type as found elsewhere in the country.

There have been no outbreaks of infectious disease worthy of comment and the statistics relating to births and deaths follow the national average.

I trust that next year I shall be in a position to comment more extensively on the annual Medical Officer's report.

May I take this opportunity of saying how much I appreciate my recent appointment to your district as Medical Officer.

I have the honour to be,

Your obedient Servant,

A. C. GEE,

Medical Officer of Health.

Council Offices,
1 Saltgate,
BECCLES, Suffolk.

Telephone No. Beccles 2004/5

GENERAL STATISTICS

Area (in acres)	.. .. .	44,900
Registrar-General's estimate of population (mid-1967)		6,780
Number of inhabited houses (estimated)	.. ..	2,331
Rateable Value	.. .. .	£133,123
Product of Penny Rate (estimated)	.. .. .	£532
Number of Parishes	.. .. .	33

	<i>Wainford R.D.</i>	<i>England and Wales</i>
Live Births		
Number	87	
Rate per 1,000 population	12.8	12.8
Illegitimate Live Births per cent of total live births ..	6.9	—
Stillbirths		
Number	1	—
Rate per 1,000 total live and still births	11.3	11.0
Total Live and Still Births	88	—
Infant Deaths (deaths under 1 year)	2	—
Infant Mortality Rates		
Total infant deaths per 1,000 total live births	22.9	23.0
Legitimate infant deaths per 1,000 legitimate live births ..	11.4	+
Illegitimate infant deaths per 1,000 illegitimate live births ..	166.6	+
Neo-Natal Mortality Rate (deaths under 4 weeks per 1,000 total live births)	11.4	+
Early Neo-Natal Mortality Rate (deaths under 1 week per 1,000 live births)	11.4	+
Perinatal Mortality Rate (stillbirths and deaths under 1 week combined per 1,000 total live and still births) ..	22.7	23.0
Maternal Mortality (including abortion)		
Number of deaths	Nil	—
Rate per 1,000 total live and still births	Nil	+

— Not applicable

+ Not yet available

VITAL STATISTICS

									Male	Female	Total
Live Births											
Total	..	..	..	..	..	..	..	..	47	40	87
Legitimate	..	..	..	..	..	..	..	..	45	36	81
Illegitimate	..	..	..	..	..	..	..	..	2	4	6
Still Births											
Total	..	..	..	..	..	..	..	..	1	—	1
Legitimate	..	..	..	..	..	..	..	..	1	—	1
Illegitimate	..	..	..	..	..	..	..	..	—	—	—
Deaths of Infants Under 1 Year of Age											
Total	..	..	..	..	..	..	..	..	1	1	2
Legitimate	..	..	..	..	..	..	..	..	1	—	1
Illegitimate	..	..	..	..	..	..	..	..	—	1	1
Deaths of Infants Under 4 Weeks of Age											
Total	..	..	..	..	..	..	..	..	—	1	1
Legitimate	..	..	..	..	..	..	..	..	—	—	—
Illegitimate	..	..	..	..	..	..	..	..	—	1	1
Deaths of Infants Under 1 Week of Age											
Total	..	..	..	..	..	..	..	..	—	1	1
Legitimate	..	..	..	..	..	..	..	..	—	—	—
Illegitimate	..	..	..	..	..	..	..	..	—	1	1
Deaths — All Ages									42	28	70

RATES

	Wainford R.D.	England and Wales
Adjusted Birth Rate	13.95	—
Death rate per 1,000 estimated population	10.32	10.3
Adjusted Death Rate	10.52	—

Comparability Factor (Births)	1.09
„ „ (Deaths)	1.02

CAUSE OF INFANT DEATHS

Sex	Age	Cause of Death
M	2 Month	Congenital malformation
F	2 Hour	Anencephally

CAUSE OF DEATH

Cause of Death							Male	Female	Total
1.	Tuberculosis, respiratory	..	..	..	..	..	—	—	—
2.	Tuberculosis, other	..	..	..	..	..	—	—	—
3.	Syphilitic disease	..	..	..	..	..	—	—	—
4.	Diphtheria	..	..	..	..	..	—	—	—
5.	Whooping cough	..	..	..	..	..	—	—	—
6.	Meningococcal infections	..	..	..	..	..	—	—	—
7.	Acute poliomyelitis	..	..	..	..	..	—	—	—
8.	Measles	..	..	..	..	..	—	—	—
9.	Other infective and parasitic diseases	..	..	..	..	..	—	—	—
10.	Malignant neoplasm, stomach	..	..	..	..	..	—	—	—
11.	Malignant neoplasm, lung, bronchus	..	..	..	..	..	3	—	3
12.	Malignant neoplasm, breast	..	..	..	..	..	—	2	2
13.	Malignant neoplasm, uterus	..	..	..	..	..	—	1	1
14.	Other malignant and lymphatic neoplasm	..	..	..	..	..	5	3	8
15.	Leukaemia, aleukaemia	..	..	..	..	..	—	—	—
Carried Forward							8	6	14

<i>Cause of Death</i>								<i>Male</i>	<i>Female</i>	<i>Total</i>
						Brought Forward	.. ..	8	6	14
16.	Diabetes	..	..	..	..	..	..	—	—	—
17.	Vascular lesions of nervous system	..	..	..	..	..	..	5	4	9
18.	Coronary disease, angina	..	..	..	..	..	..	7	3	10
19.	Hypertension with heart disease	..	..	..	..	..	..	—	1	1
20.	Other heart disease	..	..	..	..	..	..	3	5	8
21.	Other circulatory diseases	..	..	..	..	..	..	2	4	6
22.	Influenza	..	..	..	..	..	..	—	—	—
23.	Pneumonia	..	..	..	..	..	..	5	2	7
24.	Bronchitis	..	..	..	..	..	..	1	—	1
25.	Other diseases of respiratory system	..	..	..	..	..	..	1	—	1
26.	Ulcer of stomach and duodenum	..	..	..	..	..	..	—	—	—
27.	Gastritis, enteritis and diarrhoea	..	..	..	..	..	..	—	—	—
28.	Nephritis and nephrosis	..	..	..	..	..	..	2	—	2
29.	Hyperplasia of prostate	..	..	..	..	..	..	1	—	1
30.	Pregnancy, childbirth, abortion	..	..	..	..	..	..	—	—	—
31.	Congenital malformations	..	..	..	..	..	..	1	1	2
32.	Other defined and ill-defined diseases	..	..	..	..	..	..	2	—	2
33.	Motor Vehicle accidents	..	..	..	..	..	..	1	1	2
34.	All other accidents	..	..	..	..	..	..	3	1	4
35.	Suicide	..	..	..	..	..	..	—	—	—
36.	Homicide and operations of war	..	..	..	..	..	..	—	—	—
								42	28	70

DEATHS FROM CANCER OF THE LUNG AND BRONCHUS DURING THE YEARS 1957-1967

<i>Year</i>	<i>Male</i>	<i>Female</i>	<i>Total</i>	<i>Death rate per 1,000 Population</i>
1957	—	—	—	—
1958	2	—	2	0.29
1959	—	1	1	0.15
1960	2	—	2	0.29
1961	1	1	2	0.32
1962	2	—	2	0.32
1963	1	1	2	0.31
1964	5	—	5	0.77
1965	4	—	4	0.61
1966	5	—	5	0.76
1967	3	—	3	0.44
<i>Total</i>	25	3	28	

ADJUSTED BIRTH AND DEATH RATE : COMPARABILITY FACTOR

Local birth rates are expressed in terms of population. These populations are estimated by the Registrar General and comprise persons of all ages, including those who have no influence on the birth rate. These latter do, however, affect the birth rate in that a high proportion of them in a population tends to lower, and a small proportion tends to raise the true rate. The size of this proportion will vary in different areas and, therefore, the elimination of standardization of such a factor will give a truer comparison between areas.

The Registrar General issues a comparability factor on these lines. Multiplication of the crude birth rate of an area by the comparability factor gives the adjusted birth rate and can be compared with the crude rate for England and Wales.

The comparability factor for deaths is obtained in a similar way to the above. The factors for certain areas, where rapid increase or reduction in the population materially affects its comparison by sex and age groups, are also adjusted on that account. Death rate area comparability factors are adjusted to take account of the presence of any residential institutions in each area. Birth rate area comparability factors are also adjusted to take account of the presence of sterile populations in institutions for the mentally ill or mentally deficient.

**TABLE SHOWING THE MORE IMPORTANT CAUSES OF DEATH,
NUMBERS AND PERCENTAGES**

<i>Cause of Death</i>	<i>No. of Deaths</i>		<i>Percentage</i>	
	1967	1966	1967	1966
Diseases of circulatory system	25	29	35.71	37.17
Vascular lesions of nervous system	9	6	12.87	7.69
Malignant diseases	14	20	20.00	25.64
Pneumonia and Bronchitis	8	11	11.42	14.12
Influenza	—	—	—	—
All other causes	14	12	20.00	15.38
<i>Total:</i>	70	78	100.00	100.00

In 1967 68% of all deaths fell under the first three headings. The comparable figure for 1966 was 70% and for 1965 was 75%.

COMPARATIVE STATISTICS

	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
Population ..	6,790	6,830	6,820	6,820	6,240	6,290	6,340	6,450	6,550	6,680	6,780
No. of inhabited houses	2,154	2,165	2,200	2,067	2,068	2,145	2,301	2,132	2,132	2,192	2,331
No. of Live Births	123	92	91	106	110	93	97	101	89	129	87
Birth Rate (crude)	18.1	13.4	13.3	15.54	17.6	14.7	15.3	15.6	13.5	19.31	12.8
No. of Still Births	3	2	2	3	5	2	3	1	3	—	1
Maternal Mortality	—	—	—	—	—	—	—	—	—	—	—
Infant Mortality Rate	24.3	32.6	10.9	37.73	18.1	21.5	10.3	9.9	22.4	15.5	22.9
No. of Deaths ..	(3)	(3)	(1)	(4)	(2)	(2)	(1)	(1)	(2)	(2)	(2)
No. of Deaths (all ages) ..	52	70	67	74	50	61	74	64	80	78	70
Death Rate (crude)	7.6	10.2	9.8	10.85	8.1	9.7	11.6	9.9	12.2	11.67	10.32

NUMBER OF ALL CONFIRMED CASES OF INFECTIOUS AND OTHER NOTIFIABLE DISEASES NOTIFIED DURING THE YEAR 1967 ACCORDING TO AGE AND SEX

Age	Scarlet Fever			Whooping Cough			Polio			Measles			Diphtheria			Dysentery			Meningococcal Infection			Primary Pneumonia			Erysipelas		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Under 1 year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 year	-	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2 years	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 "	-	-	-	-	-	-	-	-	-	4	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 "	-	-	-	-	-	-	-	-	-	6	4	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5—9 years	-	-	-	-	-	-	-	-	-	11	12	23	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
10—14 "	-	-	-	-	-	-	-	-	-	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15—24 "	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25—44 "	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45—64 "	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65 or over	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	1	-	1	-	-	-	24	24	48	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-

26 Males plus 24 Females — 50

TUBERCULOSIS

	<i>Males</i>		<i>Females</i>		<i>Total</i>
	<i>Pulmonary</i>	<i>Non-Pulmonary</i>	<i>Pulmonary</i>	<i>Non-Pulmonary</i>	
No. of cases on the Register at 31st December, 1966	11	2	9	3	25
No. of cases added during the year ..	1	—	—	—	1
No. of cases removed during the year ..	3	—	—	—	3
No. of cases on the Register at 31st December, 1967	9	2	9	3	23

<i>Cases added to the Register</i>	<i>Cases removed from the Register</i>
New notifications 1	Recovered —
Inward transfers —	Died 2
	Removed to other areas 1
<i>Total:</i> 1	<i>Total:</i> 3

RURAL DISTRICT OF WAINFORD
ANNUAL REPORT OF THE ENGINEER, SURVEYOR AND CHIEF
PUBLIC HEALTH INSPECTOR FOR 1967

To: The Chairman and Members of Wainford Rural District Council.

Madam Chairman, Ladies and Gentlemen,

I have pleasure in presenting my 1967 report in conjunction with that of your Medical Officer of Health.

Whilst there has been steady progress in all aspects of our work, much activity has been concentrated behind the scenes on the special scheme for housing the elderly which is being produced within the department. As I write, the tender stage has been reached and it is confidently expected that foundations will be laid towards the end of the year.

With our expanding responsibilities, the routine inspection work, so essential for the efficient operation of the department, has again been largely dealt with by my Deputy, Frank Pooley, for whose continued enthusiasm and support I am most grateful. In addition, we thank all members of the department who work so well, both individually, and as a team.

I have the honour to be,

Your obedient Servant,

IVAN S. ARMSTRONG,

*Engineer, Surveyor and
Chief Public Health Inspector.*

Council Offices,
1 Saltgate,
Beccles,
Suffolk.

HOUSING

(a)	Number of houses inspected during year	..	..	..	..	..	..	..	246
(b)	Number of houses found to be unsatisfactory	..	..	..	..	..	..	..	141
(c)	Number of houses rendered fit:								
	By informal action	..	..	..	..	..	..	..	138
	By formal action	..	..	..	..	..	..	..	—
(d)	Demolition Orders made	..	..	..	..	..	..	..	13
(e)	Closing Orders made	..	..	..	..	..	..	..	9
(f)	Undertakings accepted	..	..	..	..	..	..	..	1
(g)	Houses demolished under (d)	..	..	..	..	..	..	..	—
(h)	Houses demolished by formal action	..	..	..	..	..	..	..	—

(i) Housing Resurvey:

A village by village housing resurvey continued throughout the year. Owners of all suitable property are being asked to provide modern amenities and take advantage of the grant schemes wherever possible.

Eighteen parishes have now been completed these being All Saints, Barsham, Blyford, Brampton, Ellough, Flixton, Homersfield, Holton, Mettingham, North Cove, Redisham, Ringsfield, St. James, St. John, St. Peter, Westhall, Wissett and Worlingham.

(j) Provision of Housing accommodation.

	<i>By Local Authority</i>	<i>By Private Enterprise</i>
1. Dwellings completed during year	—	50
2. Number of houses in course of construction on 31st December, 1967	—	50
3. Total number of houses owned by Council on 31st December, 1967	452	—

(k)	Council houses available for letting during year..	..	..	..	..	..	..	17
(l)	Number of dwellings acquired by the Council	..	..	..	..	..	..	—
(m)	Architectural work was proceeding within the department for the erection of an old persons' unit at Brampton.							

(n)	Improvement and Modernisation of Council Dwellings.													
	The Council continued to make good progress with its schemes for improvement and reconditioning of pre-war property, half of which were executed by the Direct Labour Staff. The completion of the five phase programme is now in sight.													
(o)	Overcrowding:													
	No known cases during the year.													
(p)	Improvement Grants								Discretionary		Standard		Total	
	Number of dwellings in respect of which applications were made during the year								4		26		30	
	Number of dwellings in respect of which grants were approved during the year								4		26		30	
	Total number of dwellings improved during year												33	
	Total number of dwellings approved for grants to 31st December, 1967								164		257		421	
	Total number of dwellings completed at 31st December, 1967								160		219		379	
(q)	Certificates of Disrepair:													
	Applications received .. .. .								..		..		—
	Certificates issued .. .. .								..		..		—
(r)	Movable Dwellings:													
	Number of site licences in force .. .. .								..		..		27	
	Inspections made .. .. .								..		..		81	
	Contraventions remedied .. .. .								..		..		5	

BUILDING DEVELOPMENT

During the year two hundred and eighty three plans were considered under the Building Regulations.

FOOD HYGIENE

A complete survey of all premises was carried out during the year.

(a) Number of food premises											
Number of premises fitted to comply with Regulation 16											
Number of premises to which Regulation 19 applies											
Number of premises fitted to comply with Regulation 19											
(b) Inspections made:											
Premises found to be unsatisfactory											
Premises rendered satisfactory											
(c) Premises registered under the Food and Drugs Act, 1955:											
Ice Cream — storage and sale											
Sausages — preserved foods											
(d) Poultry processing and inspection:											
Number of poultry processing premises within the district .. .. .								..	..	..	2
Number of visits to poultry processing premises within the district .. .. .								..	..	..	345
Total number of birds processed during year .. .. .								..	broilers	2,112,305	
Types of birds processed .. .. .								..	turkeys	472,452	
								..	broilers		
								..	capons		
								..	turkeys		
Percentages of birds rejected as unfit for human consumption .. .. .								..	broilers	3.9%	
								..	turkeys	0.013%	
Weight of poultry condemned as unfit for human consumption									84 tons	15 cwt.	85 lbs.

Poultry processing and inspection (continued)

The "spotter" system of inspection, as recommended in para. (2) Circular 21/61, Ministry of Agriculture, Fisheries and Food is in operation at both poultry processing factories.

The question often arises as to the efficiency of this system, especially when a qualified inspector is not present and in view of the apathy existing today amongst many employees.

With the exception of drinking water, chlorine is introduced into all water entering the factory at the following rates:—

on the evisceration line	20 p.p.m.
the rest of the factory	50 p.p.m.

Improvements in the cleanliness of equipment, etc. continues to be noted.

RODENT CONTROL

(a) Inspections and treatments:

Number of premises inspected	..	..	..	..	..	..	..	..	1070
Number of premises treated — dwellinghouses	..	..	..	..	..	..	..	..	596
— other premises	..	..	..	..	..	..	..	..	184

(b) The Council provided a contract service during the year to fifty-two farms and small-holdings.

(c) With the retirement of the one operator imminent, another experienced man was appointed.

PUBLIC CLEANSING

(a) Refuse Collection and Disposal:

The new compression vehicle has enabled the department to offer a clean and efficient service to all parts of the district.

Quantity of refuse collected during year in cubic yards	..	..	..	..	6,996
Miles travelled	..	..	..	..	12,596

Frequency of collections:

Worlingham, Holton and North Cove	Weekly	properties	660
Remaining villages	Fortnightly	properties	1,671

Disposal:

Five tips at Holton, North Cove, St. John, Worlingham and Westhall.

Tipping facilities were provided for Bungay U.D.C. at St. John.

(b) Cesspool Emptying:

The use of this service increased by approximately 10% over the year which reflects the substantial number of additional septic tank systems constructed in areas where public sewers are not yet available.

Emptying facilities were made available to outlying properties in the Beccles Borough and Bungay Urban areas.

						Number of Cesspools and Septic Tanks	Number of Loads
Local Authority	..	..	..	..	..	41	316
Private	..	..	..	..	..	215	564
Total						256	880

SEWERAGE AND SEWAGE DISPOSAL

- (a) Thirteen parishes have a sewerage scheme in operation and a further eight have schemes in various stages of construction or preparation.

The policy of polishing effluents over surface irrigation areas planted with poplars is paying considerable dividends.

Blyford scheme was completed and additional sewers were laid in Holton. Two ejector stations, one in each of these parishes, came into operation.

Sewered Parishes:	Number of Premises in Parish	Length of Sewers in yards
Brampton	107	1162
Holton	189	4503
Homersfield	57	647
North Cove	69	763
Ringsfield	79	1581
St. James	54	1518
St. Lawrence with Spexhall	126	1852
Westhall	109	1379
Wissett	104	732
Worlingham	306	4421
Flixton	43	967
Blyford	30	913
		20,438

Schemes Under Construction:

Willingham with Shadingfield	39
------------------------------	----

Schemes in course of Preparation:

Mettingham	38
Rumburgh/All Saints	68
St. Andrew (Top Road area)	21
St. Margaret Ilketshall	28
Shipmeadow	59

Schemes Approved in Principle:

St. Cross/St. Margaret S.E.
Stoven/Brampton

- (b) Total length of sewers controlled by Council 11.6125 miles

- (c) Sewer Connections:

Connections made during year	85
--------------------------------------	----

- (d) Sewage Effluents:

Careful attention was given to the maintenance of proper standards of effluent, there being good co-operation with the East Suffolk and Norfolk River Authority.

All the village works are producing effluents within the Royal Commission Standards and typical chemical analyses for B.O.D. and S.S. are given below:

Parishes	Biochemical Oxygen Demand p.p.m.	Suspended Solids p.p.m.
*Brampton	5.4	19
*Flixton	9.6	15
*Homersfield	7.6	11
*Ringsfield	5.6	26
St. James	4.6	5
*St. Lawrence	8.6	14
*Westhall	4.2	14
*Worlingham	7.2	10
* Before polishing		

- (e) Disposal of Sewage in Co-operation with Neighbouring Authorities:
 In Beccles Borough area eighty-eight properties and one primary school are drained to the Worlingham works.
 Sewage from Barnby, in the Lothingland Rural District, is pumped to the Worlingham works.
 Sewers in the parish of Holton drain into the Halesworth Urban District Council system.
 All sewage from the Blyford and Wissett schemes is pumped to Halesworth.
- (f) **Housing Development:**
 Plans for building in the parish of Worlingham have necessitated consideration of enlarging the Ash Tree Works.

WATER SUPPLIES

- (a) The area is well served by the East Anglian Water Company
 (b) The department continued to sample both private and public supplies. Excellent co-operation was maintained with the Company.
 (c) The water supply of the Rural Area has been satisfactory in quality and quantity.
 (d) The District is supplied from three different sources situated at Holton, Barsham and Bungay.
 Copies of typical bacteriological and chemical analyses by Messrs. Lincolne Sutton and Wood Ltd are given below.

Certificate of Analysis of Water

Date received	7th December, 1967
Sample received from	East Anglian Water Company
Marked	Holton — No. 1 Bore No. 2 Bore Treatment Plant

Odour	Nil
---------------	-----

Results of Chemical Analysis in parts per Million

	No. 1 Bore	No. 2 Bore	Treatment Plant
Ammoniacal nitrogen	0.18	0.17	Nil
Albuminoid nitrogen	0.01	0.01	Nil
Nitrate nitrogen	0.1	0.1	0.2
Nitrite nitrogen	faint trace	0.05	Nil
Chlorion as chlorine	78	106	106
Oxygen absorbed	0.68	0.72	0.48
Hardness:			
Total	365	335	330
Carbonate (temporary)	250	255	245
Non-carbonate (permanent)	115	80	85
Free carbon dioxide	45	20	20
Total solids (at 180 degrees C.)	520	545	540
Iron (total)	6.4	2.6	0.09
Metals in solution—lead, copper, zinc	Nil	Nil	0.05 Copper
Fluoride	—	—	0.45
pH.	6.8	7.5	7.5
Colour	Pale yellow	Pale yellow	Nil
Appearance	Opalescent	Opalescent	Clear
Deposit	Iron compounds	Iron compounds	Nil

Bacteriological Examination Report

Plate Count:

Colonies per ml. on agar at 37 degrees C., 2 days ..	Nil
Probable number of coliform organisms per 100 ml.	
MacConkey 2 days, 37 degrees C.	Nil
Number of Bact. Coli. (type 1)	Nil

Remarks:

The organic quality of these waters is good and their bacteriological condition is excellent. The salinity of the raw water from No. 1 Pump House again seems to be variable. On this occasion, it is less than half of that found previously. Also the iron content of the raw water No. 1 Pump House is very high in this sample, but treatment appears to have been successful in decreasing this to a satisfactorily low level in the water going into the supply. The treated water contained a faint trace of copper. The fluoride content of this water is fairly low as with most East Anglian waters. In our opinion, the treated water is suitable for drinking and general purposes.

Certificate of Analysis of Water — TREATED Water

Date received	..	..	..	..	..	..	..	19th December, 1967
Sample received from	..	..	..	..	..	..	..	East Anglian Water Company
Marked	..	..	..	..	..	..	..	Outney Common, Bungay
Odour	..	..	..	..	..	..	..	Nil
Taste	..	..	..	..	..	..	..	Satisfactory

Results of Chemical Analysis in parts per Million

								<i>Raw</i>	<i>Treated</i>
Ammoniacal nitrogen *	..	..	..	..	..	..	..	Nil	Nil
Albuminoid nitrogen *	..	..	..	..	..	..	..	0.02	0.03
Nitrate nitrogen	..	..	..	..	..	..	..	0.15	0.5
Nitrite nitrogen	..	..	..	..	..	..	..	Nil	Nil
Chlorion as Chlorine	..	..	..	..	..	..	..	80	76
Oxygen absorbed	..	..	..	..	..	..	..	0.76	0.76
Hardness:									
Total	..	..	..	..	..	..	..	350	345
Carbonate (temporary)	..	..	..	..	..	..	..	220	220
Non-carbonate (permanent)	..	..	..	..	..	..	..	130	125
Free carbon dioxide	..	..	..	..	..	..	..	22	20
Total solids (at 180 degrees C.)	..	..	..	..	..	..	..	520	515
Iron (total)	..	..	..	..	..	..	..	0.32	0.06
Metals in solution—lead, copper, zinc	..	..	..	..	..	..	..	Nil	Nil
Fluoride	..	..	..	..	..	..	..	—	0.3
pH.	..	..	..	..	..	..	..	7.2	7.3
Colour	..	..	..	..	..	..	..	Nil	Nil
Appearance	..	..	..	..	..	..	..	Clear—brown deposit	Clear
Deposit	..	..	..	..	..	..	..	Iron compounds	Nil

Bacteriological Examination Report**Plate Count:**

Colonies per ml. on agar at 37 degrees C., 2 days	..	Nil	3
Probable number of coliform bacilli per 100 ml.	..	Nil	Nil

Remarks:

Both waters are of excellent bacteriological and organic quality. There is sufficient iron present in the raw water to give rise to a slight deposit on standing, but this has been reduced to a negligible proportion in the treated water. In our opinion, this is suitable for drinking and general purposes.

Certificate of Analysis of Water — RAW Water

Date received	..	..	..	..	..	..	..	13th December, 1967
Sample received from	..	..	..	..	..	..	..	East Anglian Water Company
Marked	..	..	..	..	..	..	..	Barsham Bores
Odour	..	..	..	..	..	..	..	Nil
Taste	..	..	..	..	..	..	..	Satisfactory

Results of Chemical Analysis in Parts per Million

								Raw	Treated
Ammoniacal nitrogen	..	..	..	..	..	..	..	0.05	Neg. trace
Albuminoid nitrogen	..	..	..	..	..	..	..	0.01	0.05
Nitrate nitrogen	..	..	..	..	..	..	..	0.1	0.1
Nitrite nitrogen	..	..	..	..	..	..	..	Nil	Nil
Chlorion as chlorine	..	..	..	..	..	..	..	54	56
Oxygen absorbed (4 hr. 80 degrees F.)				..	..	..	..	0.36	0.24
Hardness:									
Total	..	..	..	..	..	..	..	370	365
Carbonate (temporary)	..	..	..	..	..	..	..	245	245
Non-carbonate (permanent)				..	..	..	..	125	120
Free carbon dioxide	..	..	..	..	..	..	..	26	14
Total solids (at 180 degrees C.)	..	..	..	..	..	..	..	535	525
Iron (Total)	..	..	..	..	..	..	..	5.1	0.13
Metals in solution, lead copper, zinc	..	..	..	..	..	..	..	Nil	Nil
Fluoride	..	..	..	..	..	..	..	0.3	0.3
pH.	..	..	..	..	..	..	..	7.3	7.6
Colour	..	..	..	..	..	..	..	Faint yellow	Nil
Appearance	..	..	..	..	..	..	..	Clear—yellow deposit	Clear
Deposit	..	..	..	..	..	..	..	Iron compounds	Nil

Bacteriological Examination Report

Plate Count:									
Colonies per ml. on agar at 37 degrees C., 2 days	..	..	..	..	..	..	..	Nil	3
Probable number of coliform bacilli per 100 ml.	..	..	..	..	..	..	..	Nil	Nil

Remarks:

Both these waters are of very good organic quality and their bacteriological condition is excellent. The analyses as a whole are similar to those of previous samples; the iron content of the treated water is negligible and its pH is somewhat raised as compared with the raw water. In our opinion the treated water is suitable for drinking and general purposes.

(d) Water Sampling:

<i>Samples Taken</i>	<i>Supply</i>	<i>Samples Taken</i>	<i>Satisfactory</i>	<i>Unsatisfactory</i>
Bacteriological	Private	6	2	4
	Public	9	9	—
Chemical	Private	4	3	1
	Public	1	1	—

During the year nine bacteriological samples were taken from the three sources.

- (e) The waters are not liable to have plumbo-solvent action. All the samples show the characteristic hardness of East Anglian waters.
- (f) No contamination of any form during the year.
- (g)
- | | | | |
|-----------------------------------------------------------------------------|------------|-------|-------|
| Number of dwelling houses supplied with mains water direct to the houses | .. | .. | 1,618 |
| Number of dwelling houses supplied with mains water by means of stand-pipes | .. | 259 | |
| | Total | .. | 1,877 |
| Total number of inhabited houses | .. .. .. . | 2,331 | |
| Number of houses not supplied with mains water | .. .. .. . | 454 | |
| Estimated population supplied with mains water direct to houses | .. .. .. . | 4,705 | |
| Estimated population supplied with mains water by stand-pipes | .. .. .. . | 754 | |
| | Total | .. | 5,459 |
| Estimated total population | .. .. .. . | 6,780 | |
| Estimated population not supplied with mains water | .. .. .. . | 1,321 | |
| Estimated number of persons per house | .. .. .. . | 2.9 | |

<i>Name of Parish</i>	<i>Supplied by Mains Water Direct</i>		<i>Supplied by Stand-pipe</i>	
	<i>Houses</i>	<i>Population</i>	<i>Houses</i>	<i>Population</i>
All Saints	29	84	2	6
Barsham	37	108	20	58
Blyford	32	93	2	6
Brampton	58	169	15	44
Ellough	3	9	10	29
Flixton	33	96	3	9
Holton	168	489	6	17
Mettingham	48	140	14	41
North Cove	41	119	6	17
Redisham	22	64	13	38
Ringsfield	59	172	8	23
Rumburgh	47	137	20	58
St. Andrew	50	145	32	93
St. Cross	27	79	—	—
St. James	43	125	1	3
St. John	5	15	—	—
St. Lawrence	31	90	9	26
St. Margaret Ilketshall ..	26	76	12	35
St. Margaret South Elmham ..	22	64	2	6
St. Mary (Homersfield) ..	44	128	—	—
St. Michael	13	38	—	—
St. Peter	7	17	—	—
Shadingfield	25	73	4	12
Shipmeadow	19	55	5	15
Sotherton	22	64	1	3
Sotterley	29	84	5	15
Spexhall	44	128	8	23
Stoven	15	44	4	12
Westhall	62	180	10	29
Weston	25	73	11	32
Willingham	32	93	10	29
Wissett	51	148	17	49
Worlingham	449	1306	9	26
	1618	4705	259	754

PUBLIC SWIMMING BATHS

There are no public swimming baths in the area.

COMMON LODGING HOUSES

There are no common lodging houses in the area.

FACTORIES ACTS, 1937-61

Prescribed Particulars on the Administration of the Factories Act, 1937 for the Rural District of Wainford Part I of the Act

(a) Inspections:

<i>Premises</i>	<i>Number on Register</i>	<i>Number of Inspections</i>
1. Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	2	9
2. Factories not included in 1, in which Section 7 is enforced by the Local Authority	19	56
3. Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	35	117
Total	56	282

(b) Cases of Inspection in which Defects were found:

<i>Particulars</i>	<i>Found</i>	<i>Remedied</i>
1. Ineffective drainage of floors	—	—
2. Sanitary Conveniences:		
Insufficient	—	—
Unsuitable or defective	4	4
Not separate for sexes	—	—
3. Other offences against the Act (not including offences relating to out-work)	—	—
Total	4	4

Part VIII of the Act Outwork (Sections 133 and 134)

<i>Nature of work</i>	<i>No. of out-workers in August list required by Section (133)</i> (1) (c) (2)	<i>No. of cases of default in sending lists to the Council</i> (3)	<i>No. of prosecutions for failure to supply lists</i> (4)	<i>No. of instances of work in unwholesome premises</i> (5)	<i>Notices Served</i> (6)	<i>Prosecutions</i> (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Wearing Apparel (making)	3	—	—	—	—	—

AGRICULTURE (SAFETY, HEALTH AND WELFARE PROVISIONS) ACT, 1956

(a)	Number of agricultural premises in area	..	..	..	..	..	..	315
(b)	Number of agricultural premises where persons are employed (estimated) other than occupier and family	..	..	..	..	..	..	110
(c)	Number of agricultural premises inspected	..	..	..	..	..	..	42
(d)	Number of premises where informal action taken	..	..	..	..	..	..	—
(e)	Number of premises where formal action taken	..	..	..	..	..	..	—

THE OFFICE SHOPS AND RAILWAY PREMISES ACT 1963

(a) Registration and general inspections:

<i>Class of premises</i>	<i>No. of premises registered during the year</i>	<i>No. of premises inspected generally</i>
Offices	3	6
Retail shops	1	4
Wholesale shops, warehouses	—	—
Catering establishments open to the public, canteens ..	—	3
Fuel storage depots	—	—

(b) Analysis of persons employed:

<i>Class of workplace</i>	<i>No. of persons employed</i>
Offices	27
Retail shops	9
Wholesale departments, warehouses	—
Catering establishments open to public	10
Canteens	—
Fuel storage depots	—
Total	46
Total Males	21
Total Females	25

(c) Total number of visits to registered premises 48



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